1	What is claimed is:
2	
3	1. A filter for a washing machine, comprising:
4	a cap fitted to a filter case having an opening via which water passes;
5	a shaft extending from a bottom of the cap; and
6	an extension extending from an end of the shaft, the extension disposed to confront
7	the opening to filter particles included in the water, the extension having a protrusion
8	protruding from one side opposite to the cap.
9	
10_	2. The filter as claimed in claim 1, wherein a circumferential cross-section of
11	the protrusion is a closed curve.
12	
13	3. The filter as claimed in claim 1, wherein the protrusion has a ring type
14	circumferential cross-section.
15	
16	4. The filter as claimed in claim 1, wherein the extension has a funnel figure.
17	
18	5. The filter as claimed in claim 1, wherein a diameter of an end portion of the
19	extension is equal to or greater than a diameter of the opening.
20	
21	6. A filter assembly for a washing machine, comprising:
22	a filter case comprising:
23	inlet and outlet on a circumference; and
24	an opening inside to make the inlet and outlet communicate with

25	each other; and
26	a filter loaded in the filter case, the filter comprising:
27	a cap fitted to the filter case;
28	a shaft extending from a bottom of the cap; and
29	an extension extending from an end of the shaft, the extension
30	disposed to confront the opening to filter particles in water, the extension
31	having a protrusion protruding from one side opposite to the cap.
32	
33	7. The filter assembly as claimed in claim 6, wherein a circumferential cross-
34	section of the protrusion is a closed curve.
35	
36	8. The filter assembly as claimed in claim 6, wherein the protrusion has a ring
37	type circumferential cross-section.
38	
39	9. The filter assembly as claimed in claim 6, wherein the extension has a funnel
40	figure.
41	
42	10. The filter assembly as claimed in claim 6, wherein a diameter of an end
43	portion of the extension is equal to or greater than a diameter of the opening.
44	
45	11. The filter assembly as claimed in claim 6, wherein the filter case is
46	cylindrical.
47	
48	12. The filter assembly as claimed in claim 6, wherein the inlet is provided to the

19	circumference of the filter case in a tangential direction.
0	
51	13. The filter assembly of claim 6, wherein the filter case comprises:
52	a tube having the inlet and outlet on the circumference;
53	a partition wall provided in the tube to partition an internal space of the tube into first
54	and second chambers communicating with the inlet and outlet, respectively; and
55	the opening perforating the partition wall.
56	
57	14. A washing machine comprising:
58	a cabinet;
59	a tub provided in the cabinet;
60	a drum rotatably installed in the tub;
61	a filter assembly provided in the cabinet to filter water discharged from the tub, the
62	filter assembly comprising:
63	a filter case comprising:
64	inlet and outlet on a circumference; and
65	an opening inside to make the inlet and outlet communicate
66	with each other; and
67	a filter loaded in the filter case, the filter comprising:
68	a cap fitted to the filter case;
69	a shaft extending from a bottom of the cap; and
70	an extension extending from an end of the shaft, the
71	extension disposed to confront the opening to filter particles in the
72	water, the extension having a protrusion protruding from one side

73	opposite to the cap.
74	
75	15. The washing machine as claimed in claim 14, wherein a circumferential
76	cross-section of the protrusion is a closed curve.
77	
78	16. The washing machine as claimed in claim 14, wherein the protrusion has a
79	ring type circumferential cross-section.
80	
81	17. The washing machine as claimed in claim 14, wherein the extension has a
82 _	funnel figure.
83	
84	18. The washing machine as claimed in claim 14, wherein a diameter of an end
85	portion of the extension is equal to or greater than a diameter of the opening.
86	
87	19. The washing machine as claimed in claim 14, wherein the filter case is
88	cylindrical.
89	
90	20. The washing machine as claimed in claim 19, wherein the inlet is provided to
91	the circumference of the filter case in a tangential direction.
92	
93	The washing machine of claim 14, wherein the filter case comprises:
94	a tube having the inlet and outlet on the circumference;
95	a partition wall provided in the tube to partition an internal space of the tube into first
96	and second chambers communicating with the inlet and outlet, respectively; and

the opening perforating the partition wall.